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Advanced Materials for Energy Conversion and Storage Devices

Collection Editor:

Prof. Dr. Yongseok Jun

Graduate School of Energy and
Environment (KU-KIST Green
School), Korea University (KU),
Seoul 136-713, Korea

Message from the Collection Editor

Dear Colleagues,

This Special Issue covers the significance of advanced materials for various sustainable energy conversion and storage technologies, including, but not limited to:

- Advanced rechargeable batteries: metal–ion, metal–air, and redox flow batteries;
- Supercapacitors and hybrid capacitors and supercapatteries;
- Energy conversion devices—fuel cells, water electrolyzer, solar cells;
- Chemical energy storage—CO₂ reduction, hydrogen generation and storage;
- Thermoelectric and thermoelectrochemical cells;
- Piezoelectric and self-charging devices.

Articles selected for this Special Issue are subject to a rigorous peer review procedure with the aim of rapid and wide dissemination of research results, developments, and applications. We are writing to invite you to submit your original work/review articles/perspectives to this Special Issue. We look forward to receiving your outstanding research findings.

Prof. Dr. Yongseok Jun

Guest Editor



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Topical Collection



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Editor-in-Chief

Prof. Dr. Enrico Sciubba

Department of Mechanical and
Aerospace Engineering,
University of Roma Sapienza, Via
Eudossiana 18, 00184 Roma, Italy

Message from the Editor-in-Chief

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Energies Editorial Office
MDPI, St. Alban-Anlage 66
4052 Basel, Switzerland

Tel: +41 61 683 77 34
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